Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	69	vessel with (injector$2 and pack$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/10 11:53
S2	820	vessel with (inject$6 and pack$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/10 11:53
S3	18	vessel with ((inject$6 adj fluid$3) and pack$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/10 12:05
S4	0	vessel with ((injector$2 adj fluid$3) and pack$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/10 11:57
S5	12	vessel with ((injector$2 near7 fluid$3) and pack$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/10 11:58
S6	15	("3653435" | "4147221" | "4491176" | "4607691" | "4903774" | "5213162" | "5280766" | "5372199" | "5503230" | "5544707" | "5566758" | "5575336" | "5868204" | "5971077" | "6015013").PN.	USPAT	OR	ON	2004/08/10 12:04
S7	3	"5167375".URPN.	USPAT	OR	ON	2004/08/10 12:05
S8	29	("3102855" | "3135474" | "3149789" | "3202281" | "3226044" | "3255881" | "3298519" | "3450356" | "3486705" | "3606176" | "3652011" | "3672580" | "3682399" | "3746265" | "3802633" | "3844490" | "4156593" | "4287054" | "4326855" | "4366050" | "4404022" | "4450072" | "4564369" | "4593859" | "4597857" | "4597858" | "4639313" | "4750994" | "4754934").PN.	USPAT	OR	ON	2004/08/10 12:05
S9	2	(injector near6 fluid) same (pack$5 adj bed)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/10 12:08
S10	1764	422/70	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/10 12:09

S11	0	S10 and (injector$3 near5 fluid) same (pack$4 adj bed)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/10 12:09
S12	27	S10 and (injector$3 near5 fluid) and pack$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/10 12:14
S13	13	"4732672".URPN.	USPAT	OR	ON	2004/08/10 12:11
S14	12	column with (injector$3 near5 fluid) and (pack$6 same bed)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/10 12:17
S15	49	(injector$3 near5 fluid) and (pack$6 same bed)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/10 12:17
S16	0	"20030049855".URPN.	USPAT	OR	ON	2004/08/10 12:26
S17	50	vessel with (evaporat$3 and injector$2 and heat$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/10 11:51
S18	3	422/88-100.ccls. and vessel$2 with (heat$4 and injector$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/07/30 16:03
S19	10	("5863507" | "5985356" | "6030917" | "6051439" | "6074610" | "6086831" | "6126904" | "6132686" | "6191398" | "6455316").PN.	USPAT	OR	ON	2004/07/30 16:02

| S20 | 152 | ("0094830" \| "1111374" \| "1281610" \| "1841434" \| "2025379" \| "2202860" \| "2484391" \| "2637537" \| "2766022" \| "2833576" \| "2964511" \| "2991161" \| "2996363" \| "3143167" \| "3243165" \| "3319940" \| "3326610" \| "3455540" \| "3456923" \| "3603471" \| "3603564" \| "3622968" \| "3676653" \| "3680843" \| "3693941" \| "3697053" \| "3718032" \| "3778757" \| "3909647" \| "4037826" \| "4059009" \| "4065107" \| "4106825" \| "4151400" \| "4175875" \| "4195131" \| "4199265" \| "4229110" \| "4235592" \| "4325914" \| "4355906" \| "4370662" \| "4391338" \| "4438074" \| "4469445" \| "4506982" \| "4517338" \| "4568195" \| "4594228" \| "4598049" \| "4640023" \| "4670404" \| "4671941" \| "4675026" \| "4702888" \| "4721874" \| "4741200" \| "4746490" \| "4748002" \| "4779451" \| "4799862" \| "4810099" \| "4858637" \| "4865986" \| "4901221" \| "4910523" \| "4924444" \| "4924716" \| "4954149" \| "4965049" \| "4983046" \| "5061630" \| "5074671" \| "5098669" \| "5117550" \| "5143854" \| "5145255" \| "5152488" \| "5154891" \| "5191791" \| "5201215" \| "5217695" \| "5224174" \| "RE34386" \| "5252296" \| "5291587" \| "5297867" \| "5304355" \| "5316728" \| "B15324483" \| "5356756" \| "5357964" \| "5367879" \| "5375470" \| "5380485" \| "5380495" \| "5395594" \| "5399014" \| "5407270" \| "5437838" \| "5439236" \| "5443791" \| "5469369" \| "5472278" \| "5499193" \| "5503805" \| "5515683" \| "5524636" \| "5538694" \| "5541314" \| "5544489" \| "5546301" \| "5576946" \| "5593642" \| "5593839" \| "5601141" \| "5602756" \| "5609826" \| "5611059" \| "5639974" \| "5651614" \| "5670269" \| "5697436" \| "5698163" \| "5714127" \| "5716584" \| "5732277" \| "5734098" \| "5738439" \| "5746982" \| "5762881" \| "5789258" \| "5802856" \| "5812394" \| "5819842" \| "5841959" \| "5849208" \| "5856101" \| "5862052" \| "5866342" \| "5871278" \| "5882601" \| "5888830" \| "5899567" \| "5901925" \| "5985356" \| "6030917" \| "6045755" \| "6063633" \| "6086831" \| "6109780" \| | USPAT | OR | ON | 2004/07/30 16:02 |

S21	39	("4154795" | "4304865" | "4319841" | "4483964" | "4517338" | "4659222" | "4746490" | "4797259" | "4909933" | "4948442" | "4948564" | "4970165" | "5039493" | "5048957" | "5053454" | "5108704" | "5219528" | "5240680" | "5252296" | "5283039" | "5288468" | "5324483" | "5342581" | "5368823" | "5380495" | "5472672" | "5503805" | "5512168" | "5529756" | "5538694" | "5541314" | "5559032" | "5574656" | "5585069" | "5593838" | "5603351" | "5609826" | "5614608" | "6045755").PN.	USPAT	OR	ON	2004/07/30 16:02
S22	35	("3483997" | "3596673" | "3603471" | "3685786" | "3757981" | "3965925" | "4096966" | "4631211" | "4642220" | "4835707" | "5122342" | "5137698" | "5202418" | "5252296" | "5288514" | "5338831" | "5342585" | "5348550" | "5395594" | "5417922" | "5422075" | "5429803" | "5431201" | "5432098" | "5472669" | "5496473" | "5503805" | "5510240" | "5529756" | "5578270" | "5656427" | "5656741" | "5779977" | "5792431" | "5795547").PN.	USPAT	OR	ON	2004/07/30 16:03
S23	13	("4338279" | "4865986" | "4933146" | "5123477" | "5156809" | "5171531" | "5176203" | "5187084" | "5207987" | "5446263" | "5455175" | "5604101" | "5616301").PN.	USPAT	OR	ON	2004/07/30 16:03
S24	12	("4338279" | "4865986" | "4933146" | "5084242" | "5123477" | "5156809" | "5171531" | "5176203" | "5187084" | "5207987" | "5446263" | "5455175").PN.	USPAT	OR	ON	2004/07/30 16:03
S25	19	("1006767" | "1456005" | "2379474" | "3616264" | "4038055" | "4286456" | "4420679" | "4468423" | "4481405" | "4683195" | "4683202" | "4701415" | "4865986" | "4889818" | "4902624" | "4965188" | "4981801" | "5038852" | "5333675").PN.	USPAT	OR	ON	2004/07/30 16:03
S26	136	422/88-100.ccls. and reactor$2 with (heat$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/07/30 16:05

S27	218	422/88-100.ccls. and vessel$2 with (heat$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/07/30 16:07
S28	1	process adj vessel$2 with (heat$4 and packing and injector$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/07/30 16:09
S29	368	process adj vessel$2 with (heat$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/07/30 16:09
S30	3121	422/99	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/02 14:09
S31	1271	422/99 and heat$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/02 14:19
S32	17	reactor adj column with (heat$5 and pack$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/02 14:28
S33	7	"4303600".URPN.	USPAT	OR	ON	2004/08/02 14:22
S34	0	"6565816".URPN.	USPAT	OR	ON	2004/08/02 14:23
S35	22	"4623454".URPN.	USPAT	OR	ON	2004/08/02 14:24
S36	0	"6751986".URPN.	USPAT	OR	ON	2004/08/02 14:24
S37	119	422/289	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/02 14:37
S38	0	"2433591".URPN.	USPAT	OR	ON	2004/08/02 14:30
S39	0	"6776963"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/02 14:38
S40	0	"6776963".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/02 14:39
S41	8	"6342185"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/02 14:40
S42	4	"4937996"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/02 14:41

S43	266	((catalytic adj reactor) and heat$4) and orifice	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/02 14:43
S44	0	"6770245"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/02 16:10
S45	5	"3926562".URPN.	USPAT	OR	ON	2004/08/02 16:49
S46	1	"5882115".URPN.	USPAT	OR	ON	2004/08/02 16:49
S47	7	("3092704" | "3235336" | "3463613" | "3574549" | "3667914" | "3791936" | "3811839").PN.	USPAT	OR	ON	2004/08/02 16:50
S48	3	("3544218" | "3469945" | "3498721").PN.	USPAT	OR	ON	2004/08/02 16:50
S49	3	"1108467".URPN.	USPAT	OR	ON	2004/08/02 17:06
S50	129	reactor with ((liquid adj feed) and heat$4 and inject$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/02 17:11
S51	9	("4099923" | "4944923" | "5603351" | "5746982" | "5837199" | "5866342" | "5888830" | "6045755" | "6149882").PN.	USPAT	OR	ON	2004/08/02 17:14
S52	773	422/307	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/03 10:54
S53	193	422/307 and inject$4 and heat$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/03 11:01
S54	6	tubular adj reactor with (inject$3 and pack$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/03 11:07
S55	131	tubular adj reactor with packing	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/03 11:47
S56	625	422/159	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/03 11:47
S57	131	422/159 and pack$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/03 11:48

S58	36	422/159 and pack$5 and evap$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/03 11:49
S59	78	(422/211 and reactor and cataly$4) and evaporat$3 and pack$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/03 17:03
S60	895	422/211 and reactor and cataly$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/03 17:42
S61	5	"5199961".URPN.	USPAT	OR	ON	2004/08/03 17:09
S62	0	"6641625".URPN.	USPAT	OR	ON	2004/08/03 17:09
S63	3	"5262130".URPN.	USPAT	OR	ON	2004/08/03 17:11
S64	43	("3119766" | "3556737" | "4215011" | "4232177" | "4242530" | "4250052" | "4302356" | "4306068" | "4307254" | "4332968" | "4336407" | "4375576" | "4439350" | "4443559" | "4447668" | "4471154" | "4475005" | "4482775" | "4504687" | "4510336" | "4536373" | "4551567" | "4597947" | "4624748" | "4847430" | "4847431" | "4925455" | "4950803" | "5013407" | "5026459" | "5057468" | "5059733" | "5073236" | "5108550" | "5130102" | "5176883" | "5177289" | "5189001" | "5204064" | "5235102" | "5243102" | "5248836" | "5248837").PN.	USPAT	OR	ON	2004/08/03 17:14
S65	1	"5714640".URPN.	USPAT	OR	ON	2004/08/03 17:15
S66	18	"1108467"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/03 17:23
S67	4	"02092221"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/03 17:43
S68	576	422/187	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/03 17:43
S69	277	422/187 and reactor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/03 17:43

S70	79	422/187 and reactor and evaporat$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/03 18:05
S71	0	422/211,187 and reactor and evaporat$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/03 17:46
S72	8	"543526"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/03 17:54
S73	4	"5453526"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/03 17:54
S74	12	"3359074"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/03 17:55
S75	53	"4847430"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/03 18:06
S76	77	"3629478"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/03 18:10
S77	1	08/091796	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/03 18:11
S78	5	"5466427".URPN.	USPAT	OR	ON	2004/08/03 18:10
S79	4	("3423194" | "3859415" | "4975255" | "4981661").PN.	USPAT	OR	ON	2004/08/03 18:10
S80	1	08/288765	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/03 18:11
S81	1357		US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/04 14:14
S82	57		US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/04 14:24

S83	77	"3629478"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/04 14:25
S84	58	"3629478" and pack$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/04 14:26
S85	11	"3629478" and pack$4 and evaporat$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/04 14:26
S86	79	"5711816"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/04 14:53
S87	13	"5389343"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/04 15:35
S88	0	"267" and vessel with (inject$4 adj fluid near3 pack$4) and (evaporat$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/04 15:37
S89	0	"267" and vessel and (inject$4 adj fluid near3 pack$4) and (evaporat$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/04 15:39
S90	0	"267" and (inject$4 adj fluid near3 pack$4) and (evaporat$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/04 15:39
S91	224	"267" and (inject$4 adj fluid) and pack$4 and (evaporat$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/09 16:06
S92	2	"5346133".URPN.	USPAT	OR	ON	2004/08/04 15:41
S93	17	("0872288" | "1652372" | "2446511" | "2591188" | "3034726" | "3266552" | "3408007" | "3527832" | "3547624" | "3589611" | "3638932" | "3843744" | "4647367" | "4887800" | "5000836" | "5039391" | "5042964").PN.	USPAT	OR	ON	2004/08/04 15:42
S94	1	"267" and (vessel$ or reactor$2) with (inject$4 adj fluid) and pack$4 and (evaporat$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/04 15:44

S95	18	"3589611"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/04 15:44
S96	2	"422" and reactor with (inject$4 adj fluid) and evaporat$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/04 16:15
S97	11	"422" and reactor with (inject$4 adj fluid) and pack$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/04 16:21
S98	13	"422" and vessel with (inject$4 adj fluid) and pack$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/04 16:24
S99	5	"422" and filter with (inject$4 adj fluid) and pack$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/04 16:38
S100	9	"422" and filter with (inject$4 adj fluid)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/04 16:40
S101	424	"422" and (inject$4 adj fluid) and filter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/04 16:41
S102	334	vessel and (inject$4 adj fluid) and pack$4 and (evaporat$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/09 16:07
S103	30076	(column$2 or reactor$2 or vessel$2 or container$2) near6 packing	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 17:15
S104	1860	S103 and heater	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 17:55
S105	2	S104 and (syringe or injector) near2 packing	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 17:16
S106	48	S104 and ((syringe or injector or needle or tube) near2 (packing or beads or evaporation))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 17:17
S107	3	("5582723").URPN.	USPAT	OR	OFF	2005/01/05 17:49

S108	862	S104 and (inject$4 or orifice or needle or syringe)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 17:56
S109	20	("4212663").URPN.	USPAT	OR	OFF	2005/01/05 18:02
S110	7144	Karlsson	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/17 17:43
S111	72	Karlsson.in. and Arne.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/17 17:43
S112	9	(reactor) with (injector near4 gap)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:16
S113	16651	evapo$5 near (droplet$2 or liquid$2 or fluid$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:18
S114	1208	S113 same (space or gap)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:19
S115	240	S114 and pack$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:45
S116	5	"5101884"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/31 16:46